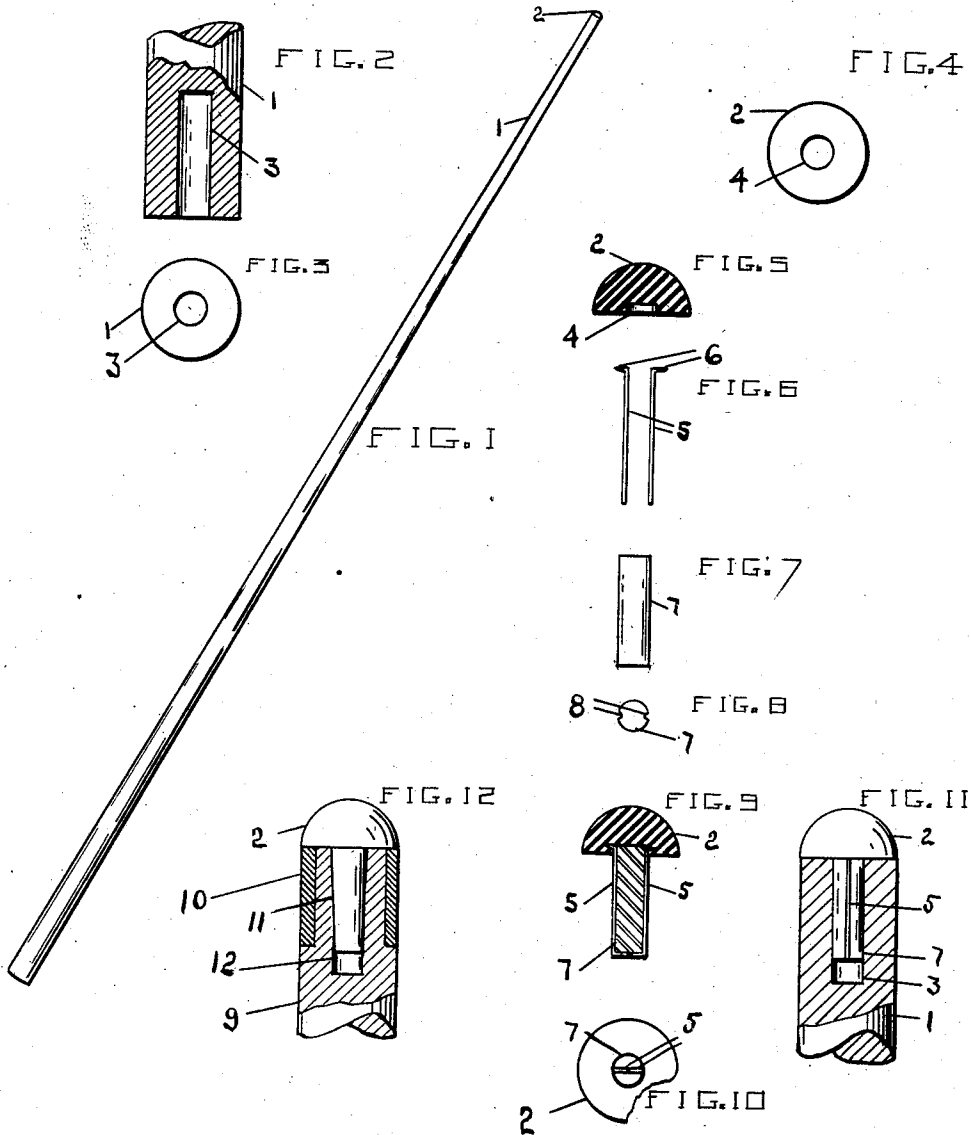


F. A. TORREY.
CUE.

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1,048,007.

Patented Dec. 24, 1912.



WITNESSES:

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FRANK A. TORREY, OF TOLEDO, OHIO, ASSIGNOR OF ONE-HALF TO CLARENCE B. LAZETTE, OF TOLEDO, OHIO.

CUE.

1,048,007.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, FRANK A. TORREY, a citizen of the United States, residing at Toledo, Lucas county, Ohio, have invented a new and useful Cue, of which the following is a specification.

This invention relates to certain features of construction of an element and its tip mounting.

10 This invention has utility when embodied in a cue for impelling balls, for instance as used in playing the games of billiards, pool, etc.

Referring to the drawings: Figure 1 is a view of an embodiment of the invention in a billiard cue; Fig. 2 is a fragmentary view of the smaller end portion of the cue, partially in section to show the recess therein; Fig. 3 is an end view of the device of Fig. 2; Fig. 4 is a bottom plan view of the tip proper; Fig. 5 is a section of the tip of Fig. 4; Fig. 6 is an elevation of the pair of prongs for engaging the tip proper; Fig. 7 is a side elevation of the stem for holding the prongs seated; Fig. 8 is a bottom plan view of the stem of Fig. 7; Fig. 9 is a vertical section through the stem and tip proper, as assembled by the prongs; Fig. 10 is a bottom plan view thereof, partially broken away; Fig. 11 is a view of the tip in elevation mounted in a cue, the cue being broken away; and Fig. 12 is a view similar to the showing in Fig. 11 showing a taper stem for the tip and a ferrule for the cue.

35 The cue 1 is provided with the tip 2. In the smaller end of the cue 1, is a recess or seat 3, shown as cylindrical. The tip proper 2, usually of leather or some similar material, is shown as having a recess 4, into which the pair of wire prongs 5 may be inserted to have their points 6 anchor in the tip proper 2, when the soft wood stem 7 is forced between the wires 5. The soft wood stem 7 has shallow recesses 8 in its sides to seat the wires 5, so that the assembled tip may have its stem cylindrical. To maintain

the stem 7 in assembled relation to the tip proper 2, the wires 5 are bent to coact with the stem by overlapping the end thereof. The tip as so assembled is a complete article adapted for ready application to a cue by forcing the stem into the recess 3 of the cue.

In the use of the cue, the tip is the part which wears off or becomes defective. In the instance of the structure of this disclosure, whenever it is desired to replace the tip, the tip, or what remains thereof, may be gripped by a tool and withdrawn with its stem. In the extreme event of the frictional holding of the stem in the cue resulting in a tearing of the leather tip portion therefrom, the protruding wires may be gripped directly, and if not then withdrawing the soft stem, will split the stem, so that with the wires out, the stem remains readily fall out. The cue is now in condition for receiving an assembled tip, which may be easily forced home to seating position by entering the projection or stem in the seat or recess and pressing thereon. So seated, the cue is at once in condition for use, and may at once be rounded off and handled in play. The tip is, accordingly, an assembled article always ready for immediate application to a cue in a positive manner, and in fact, when assembled, produces a superior article, in that impact of concussion is through elastic substances of tip and wood cue with no occasion to disturb or fracture any joint therebetween, but rather a tendency to more snugly effect the seating coaction. In the locking of the wires 5 upon the stem 7 to assemble the tip, the bent outer ends of the wires 5 are embedded in the soft wood of the stem 7.

Instead of taking the impact of shot directly upon the cue from the tip 2, it may be taken upon the ferrule 10, Fig. 12, which when of ivory not only introduces a medium of great elasticity but also strengthens the cue 9 against fracture, accordingly permitting of the soft wood stem 11 being tapered

for entering the tapered seat 12. The stem 11 is mounted in the tip 2 in the same manner as the stem 7.

What is claimed and it is desired to secure
5 by Letters Patent is:

1. A cue tip having a recess, an anchoring prong engaging the recess, and a stem seated in the recess and held assembled with the tip by the opposite end of the anchoring prong.
- 10 2. A cue member, a stem member therefor, a wire embracing one of said members and

provided with an anchoring prong embedded in the other to hold the members assembled, and a cue for frictionally engaging the stem to mount the tip thereon.

In testimony whereof I hereunto set my
hand in the presence of two witnesses. 15

FRANK A. TORREY.

Witnesses:

CLARENCE LAZETTE,
GEO. E. KIRK.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."
